

(spacer S is oxygen, $m = 10 \sim 10,000$),

the functional group R includes at least one of a group consisting of photo-sensitive constituents and non-photo-sensitive constituents, the photo-sensitive constituents include a material selected from the group consisting of cinnamoyl derivatives, the non-photo-sensitive constituents include a material selected from the group consisting of C_nH_{2n} , C_nH_{2n+1} , $C_nH_{2n}OH$, COC_nH_{2n+1} , COC_nH_{2n} , $C_nH_{2n+1-x}F_x$, $C_nH_{2n-(x-1)}F_{(x-1)}$, $C_nH_{2n-x}F_xOH$, $COC_{2n+1-x}F_x$ ($n = 1 \sim 10$, $x = 1 \sim 2n+1$), and a combination thereof; and

a liquid crystal layer between the first and second substrate.

REMARKS

At the outset, the Examiner is thanked for the thorough review and consideration of the subject application.

By this amendment, Applicants hereby amend claim 1 and respectfully submit no new matter has been added.

The Examiner rejected claims 1-6 under 35 U.S.C. § 102(e) as being anticipated by Kwon et al. (U.S. Pat. No. 6,399,165); and rejected claims 1-6 under the judicially created doctrine of double patenting over claims 1-34 of Kwon et al. Applicants respectfully traverse these rejections and hereby request reconsideration.

The rejection of claims 1-6 under 35 U.S.C. § 102(e) as being anticipated by Kwon et al. and the rejection of claims 1-6 under the judicially created doctrine of double patenting over claims 1-34 of Kwon et al. is respectfully traversed and reconsideration is hereby requested.

Claim 1 is allowable over the cited references in that claim 1 recites a combination of elements including, for example "first alignment layer on the first substrate, wherein the first alignment layer includes

